

FIG. 1

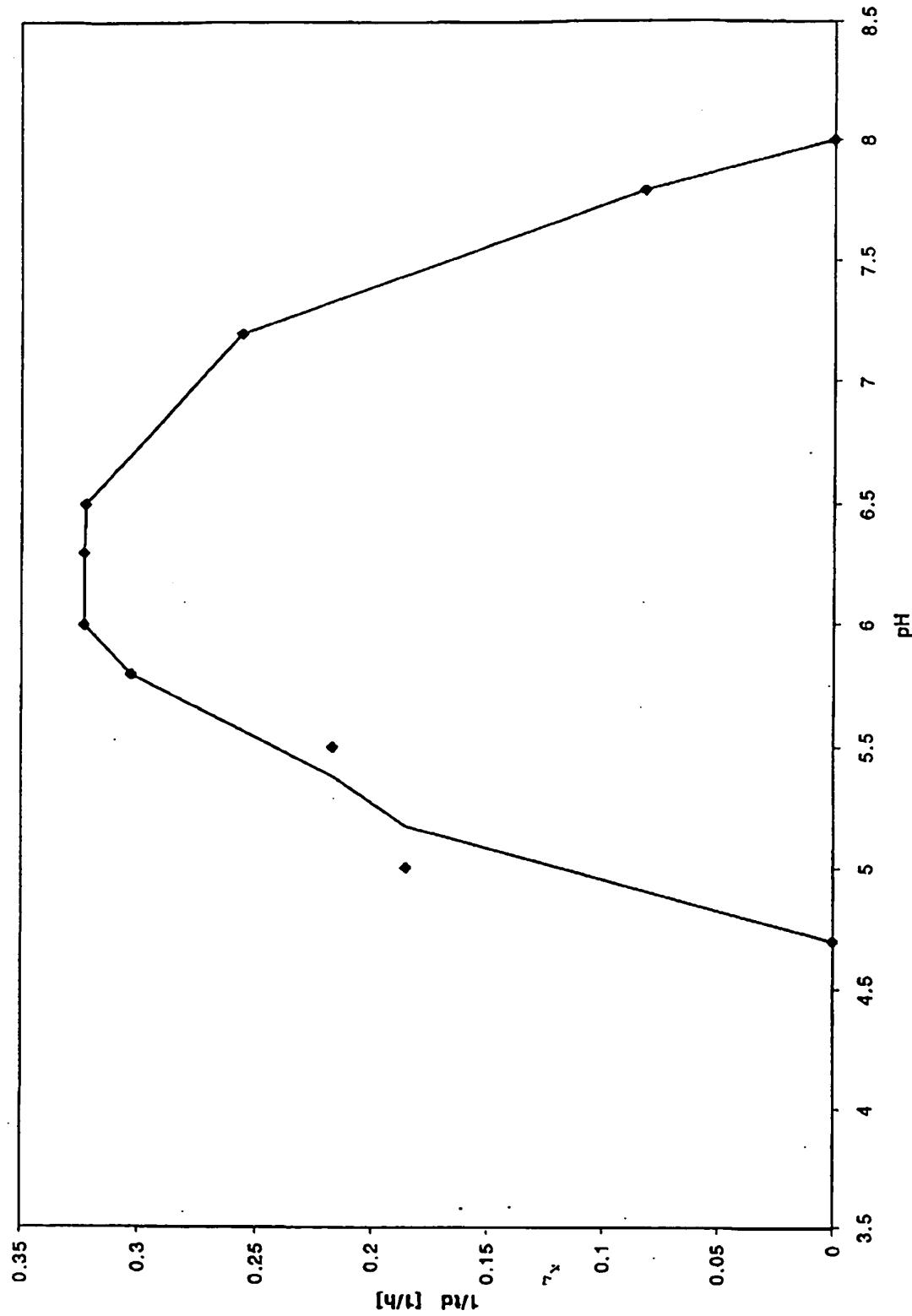


FIG. 2

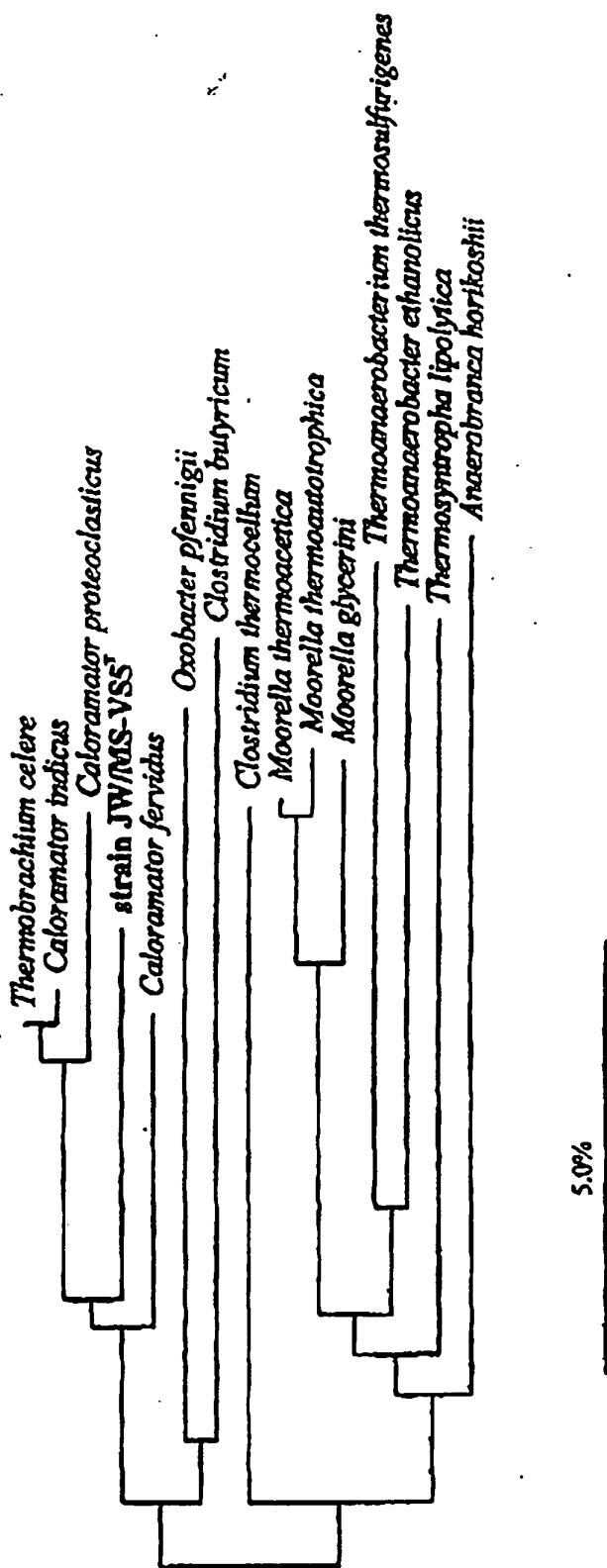


FIG. 3

Time course assay of conversion of glycerol to 3-HPA by anaerobically toluenized VS/5 cells @ 60deg. under anaerobic conditions

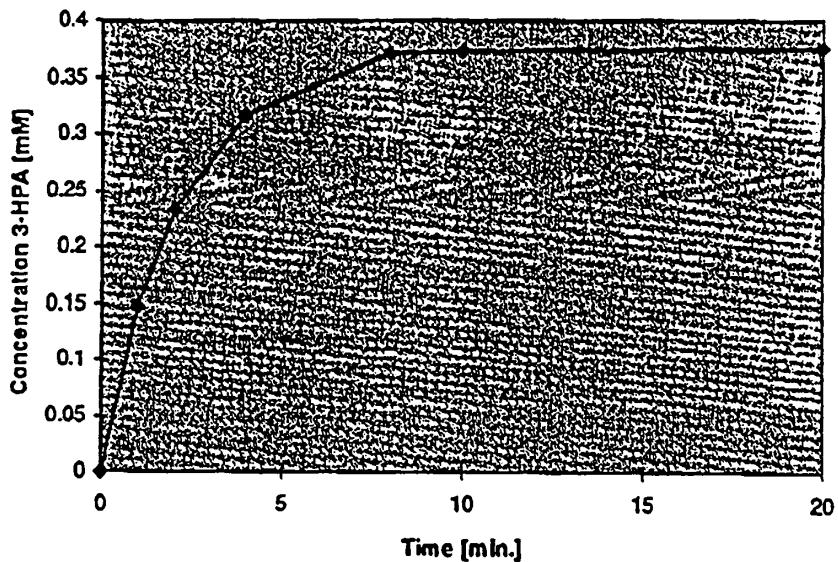


FIG. 4

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Conversion of 1,2-propanediol to propionaldehyde by anaerobically
toluenized VS/5 cells @ 60 deg., anaerobic conditions

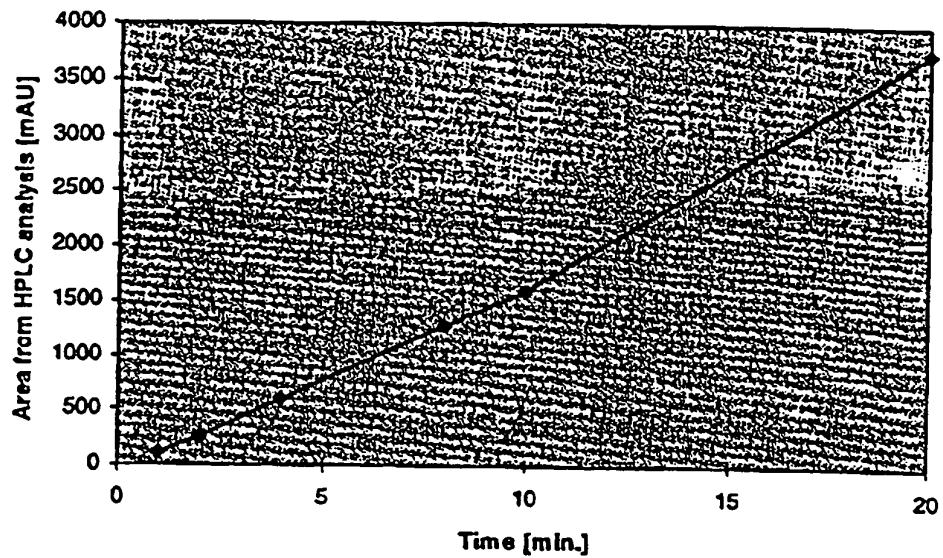


FIG. 5